BE1DD–02

TROUBLESHOOTING

NOTICE:

When replacing the internal mechanism (computer part) of the audio system, be careful that no part of your body or clothing comes in contact with the terminals of the leads from the IC, etc. of the replacement part (spare part).

HINT:

This inspection procedure is a simple troubleshooting which should be carried out on the vehicle during system operation and was prepared on the assumption of system component troubles (except for the wires and connectors, etc.).

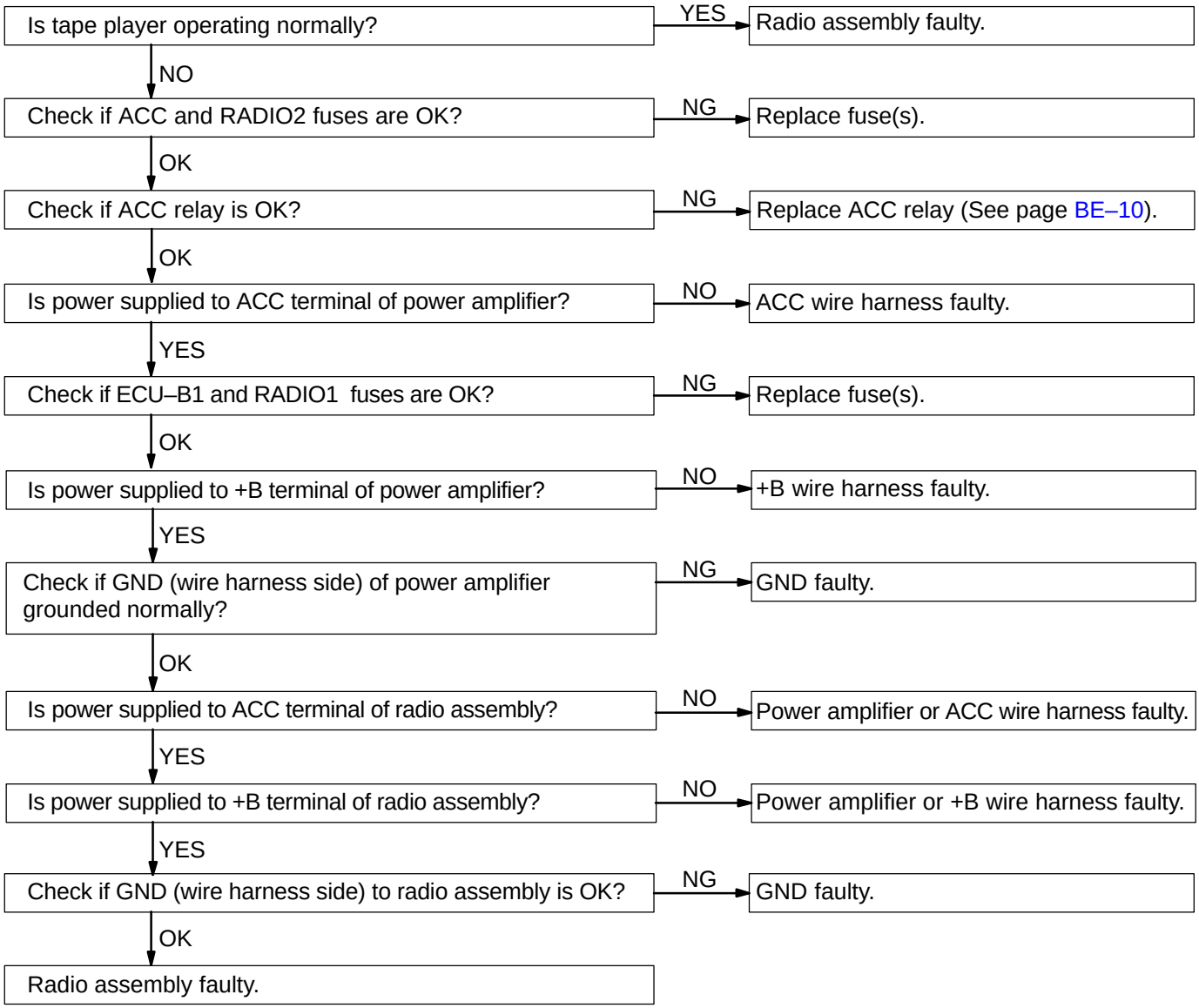
Always inspect the part with trouble taking the following items into consideration.

- Open or short circuit of the wire harness
- Connector or terminal connection fault

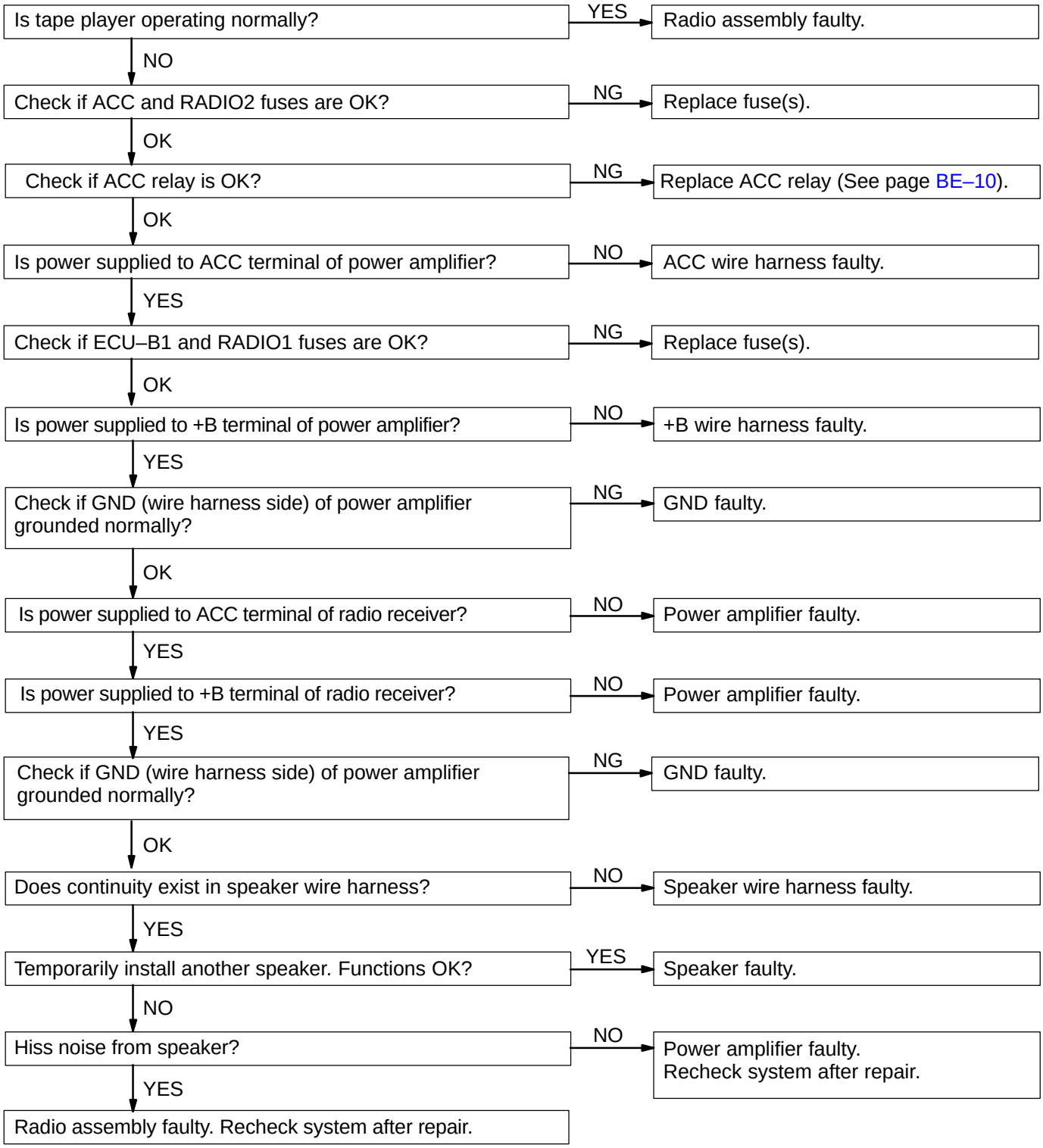
	Problem	No.
Radio	Radio not operating when power switch turned to ”ON”.	1
	Display indicates when power switch turned to ”ON”, but no sound (including ”noise”) is produced.	2
	Noise present, but AM – FM not operating.	3
	Any speaker does not work.	4
	Any AM or FM does not work.	5
	Few preset turning bands.	5
	Reception poor.	6
	Sound quality poor.	7
	Preset memory erased.	8
Tape player	Cassette tape cannot be inserted.	9
	Cassette tape inserted, but no power.	10
	Power coming in, but tape player not operating.	11
	Any speaker does not work.	12
	Sound quality poor.	13
	Tape jammed, malfunction with tape speed or auto–reverse.	14
	Cassette tape will not eject.	15
CD player	CD cannot be inserted.	16
	CD inserted, but no power.	17
	Power coming in, but CD player not operating.	18
	Sound jumps.	19
	Sound quality poor (Volume faint).	20
	Any speaker does not work.	21
	CD will not be ejected.	22
Power amplifier	No power coming in.	23
	Power coming in, but power amplifier not operating.	24
	Any speaker does not work.	25
Noise	Noise occurs	26
	Noise produced by vibration or shock while driving.	27
	Noise produced when engine starts.	28

The term ”AM” includes LW, MW and SW, and the term ”FW” includes UKW.

1	Radio	RADIO NOT OPERATING WHEN POWER SWITCH TURNED TO ”ON”



2	Radio	DISPLAY INDICATES WHEN POWER SWITCH TURNED TO ”ON”, BUT NO SOUND (INCLUDING ”NOISE”) IS PRODUCED

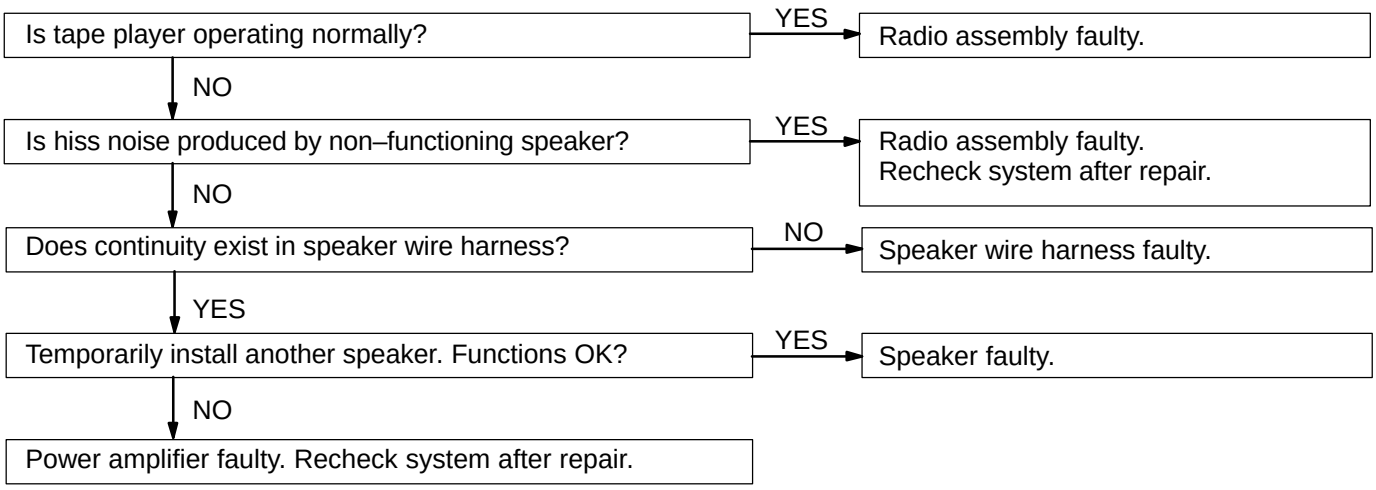


3	Radio	NOISE PRESENT, BUT AM–FM NOT OPERATING

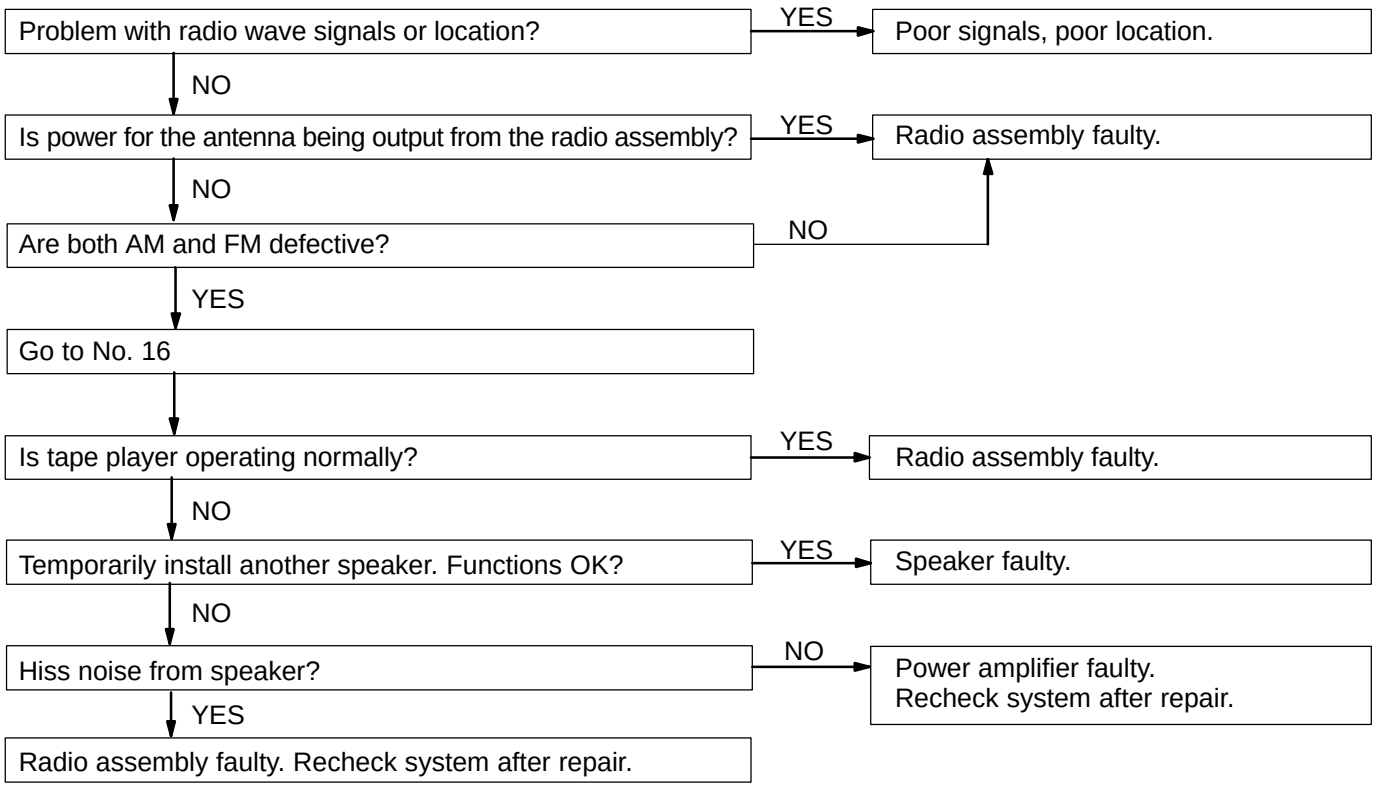
Go to No.25

If radio side faulty. → Radio faulty.

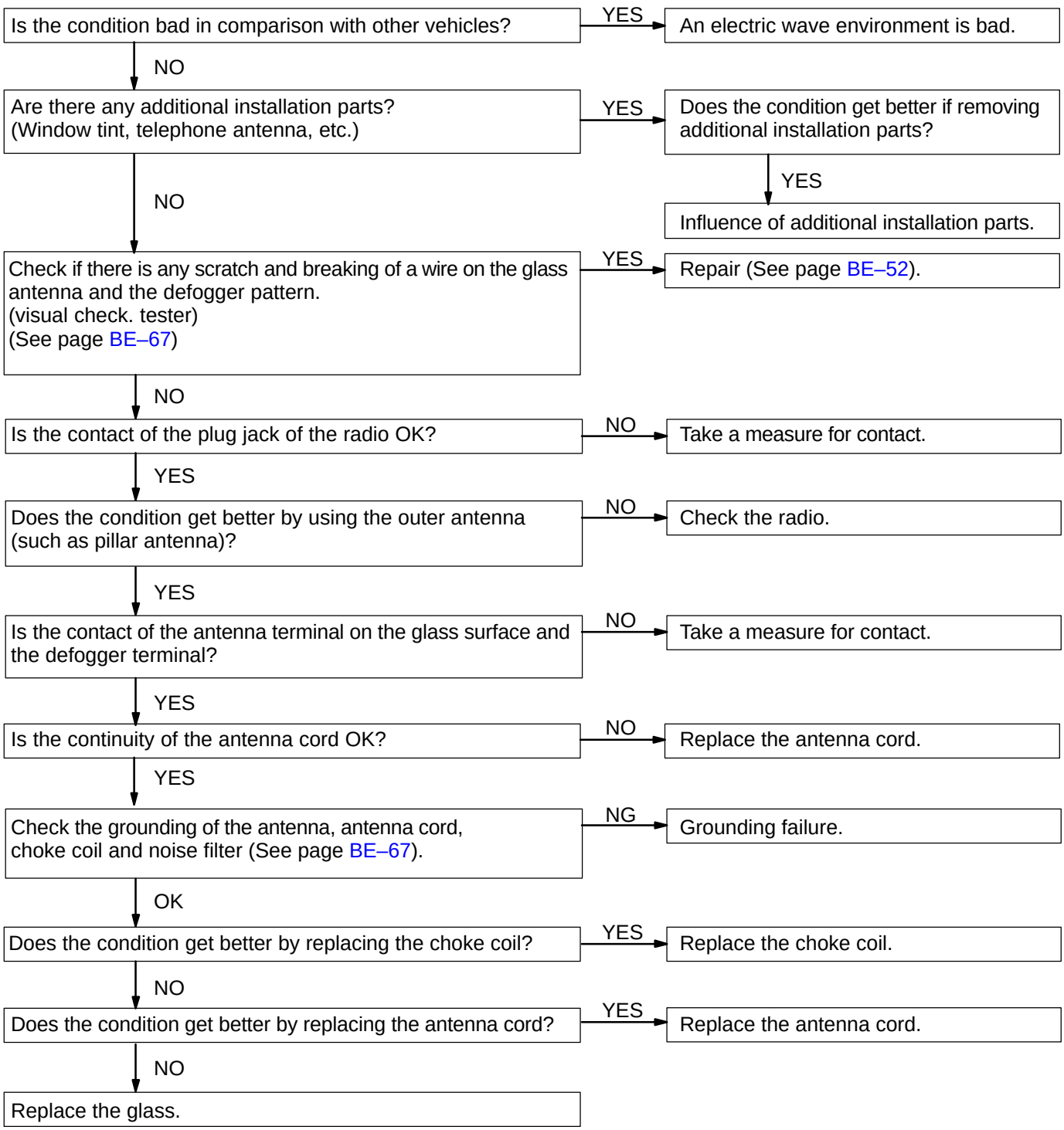
4	Radio	ANY SPEAKER DOSE NOT WORK



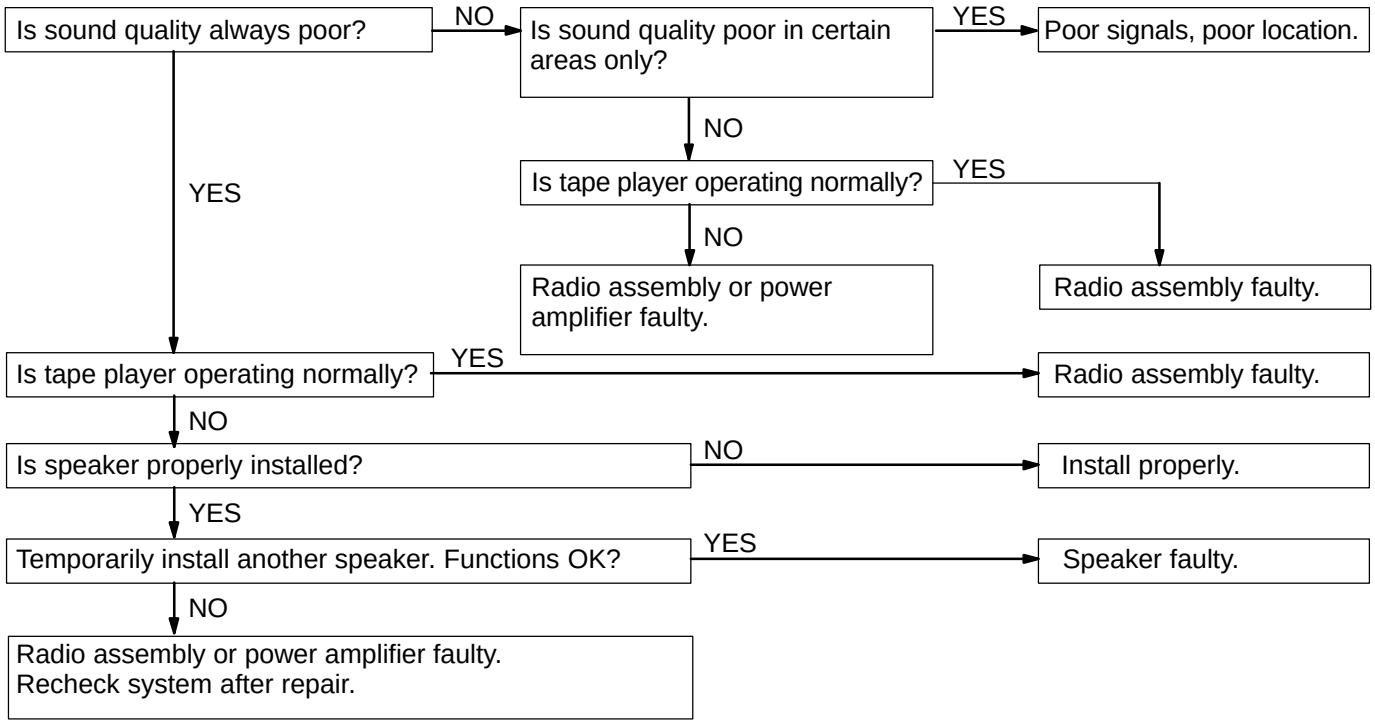
5	Radio	ANY AM OR FM DOES NOR WORK FEW PRESET TUNING BANDS



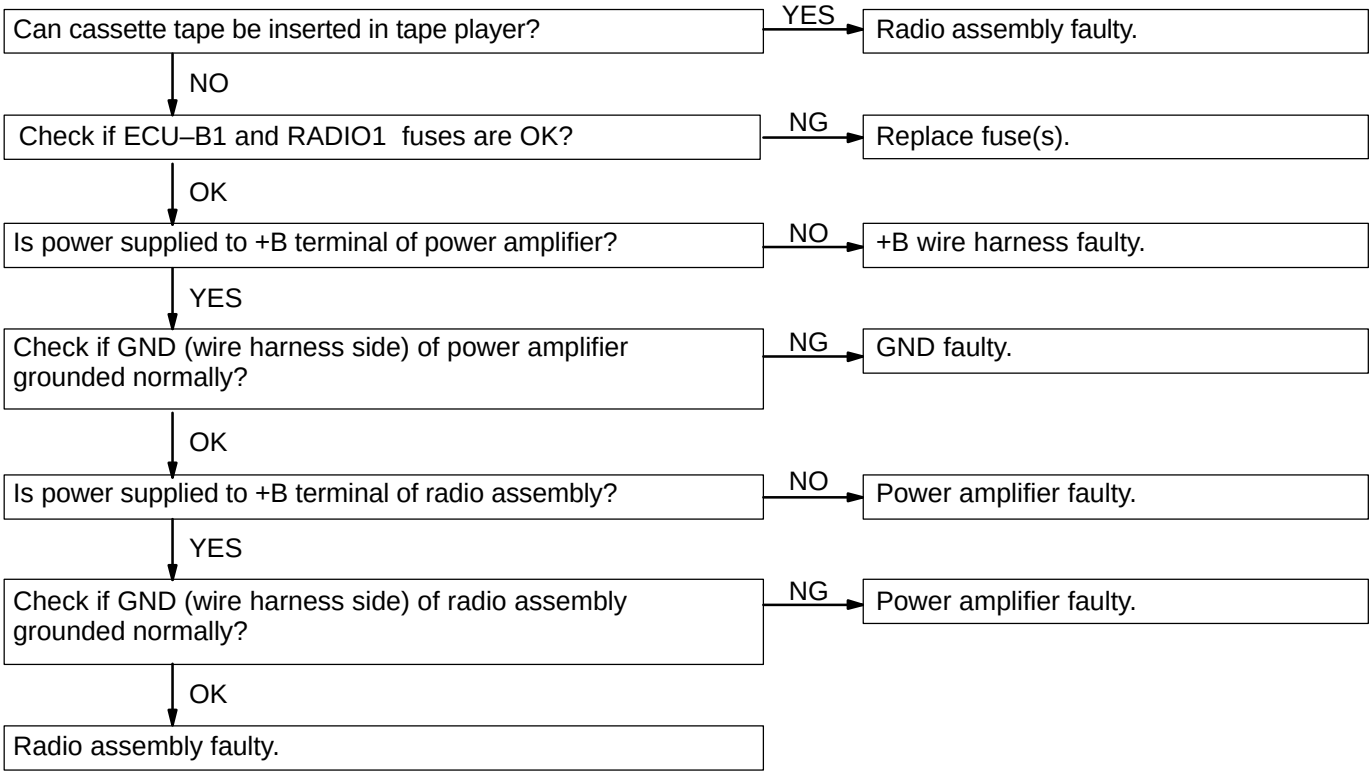
6	Radio	POOR RECEPTION


Is the condition bad in comparison with other vehicles?
YES
An electric wave environment is bad.
NO
Are there any additional installation parts?
(Window tint, telephone antenna, etc.)
YES
Does the condition get better if removing additional installation parts?
YES
Influence of additional installation parts.
NO
Check if there is any scratch and breaking of a wire on the glass antenna and the defogger pattern.
(visual check. tester)
(See page BE–67)
YES
Repair (See page BE–52).
NO
Is the contact of the plug jack of the radio OK?
NO
Take a measure for contact.
YES
Does the condition get better by using the outer antenna (such as pillar antenna)?
NO
Check the radio.
YES
Is the contact of the antenna terminal on the glass surface and the defogger terminal?
NO
Take a measure for contact.
YES
Is the continuity of the antenna cord OK?
NO
Replace the antenna cord.
YES
Check the grounding of the antenna, antenna cord, choke coil and noise filter (See page BE–67).
NG
Grounding failure.
OK
Does the condition get better by replacing the choke coil?
YES
Replace the choke coil.
NO
Does the condition get better by replacing the antenna cord?
YES
Replace the antenna cord.
NO
Replace the glass.

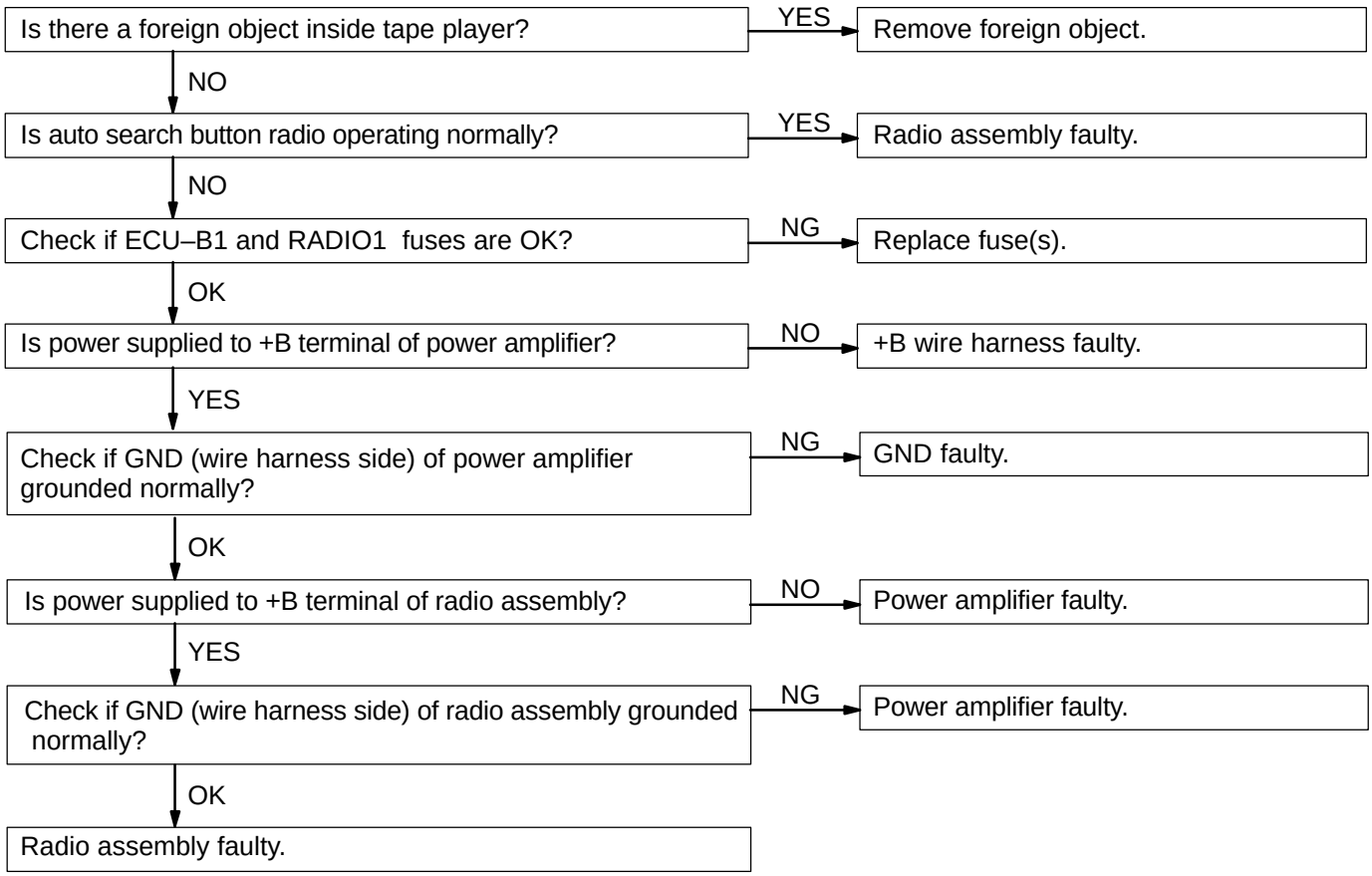
7	Radio	SOUND QUALITY POOR



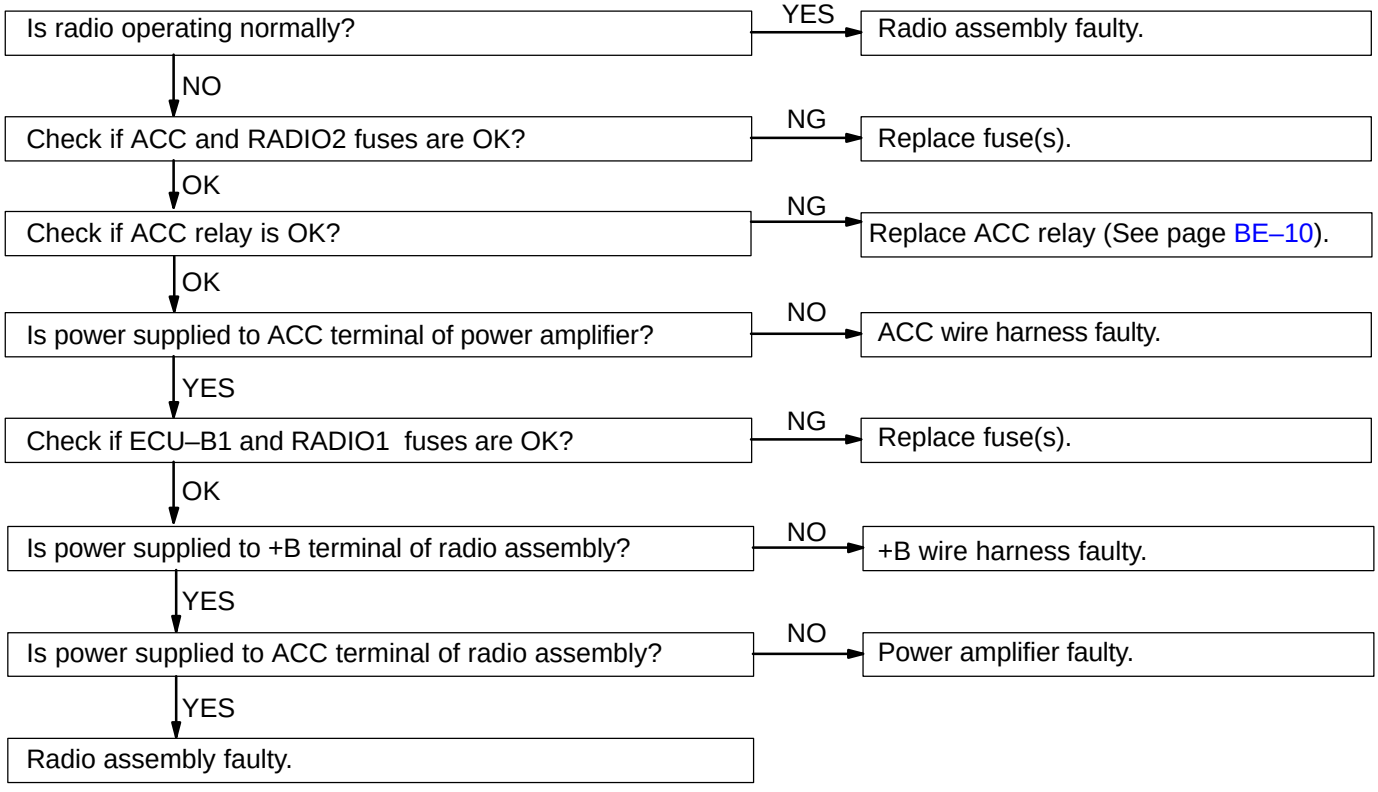
8	Radio	PRESET MEMORY DISAPPEARS



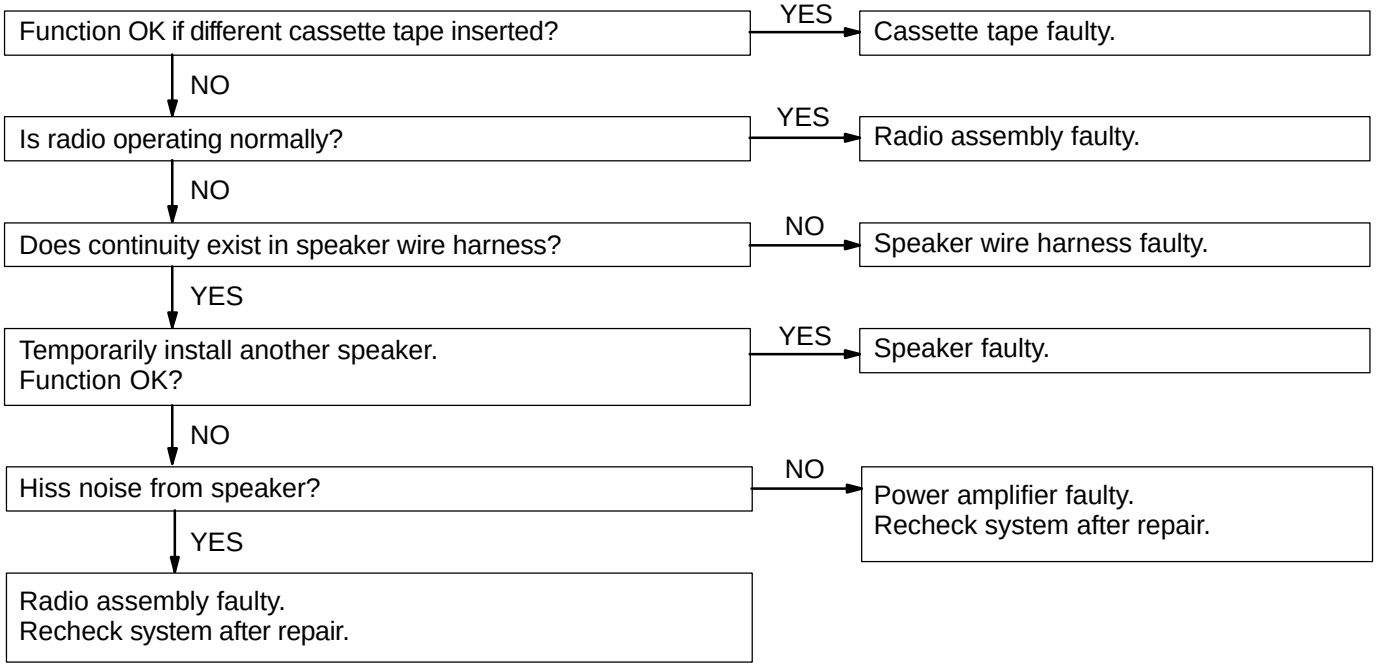
9	Tape Player	CASSETTE TAPE CANNOT BE INSERTED



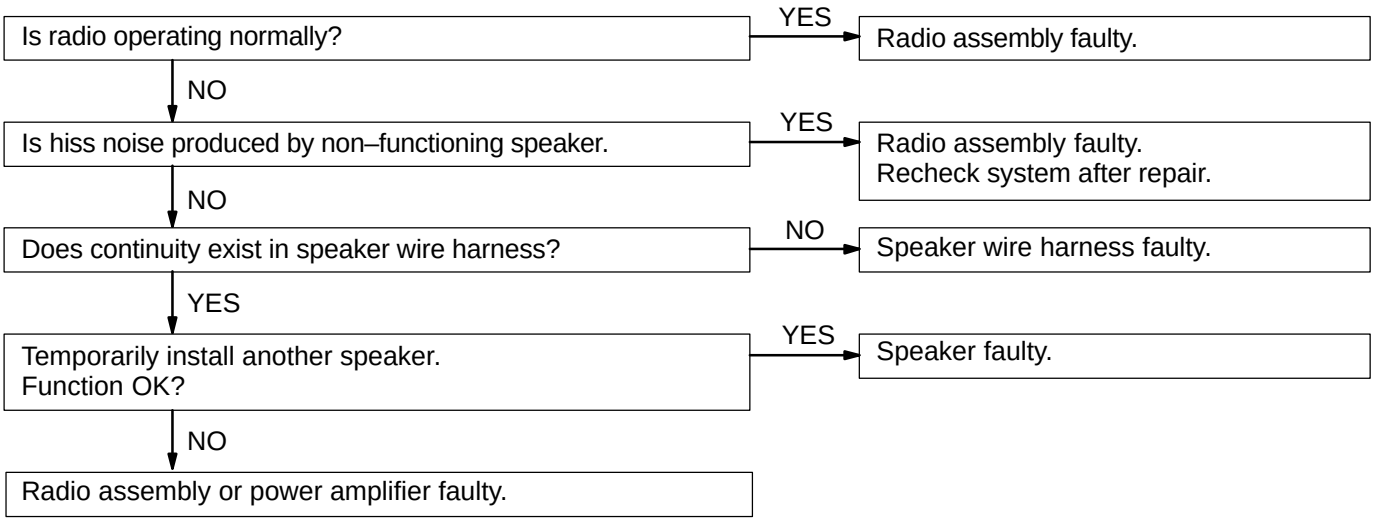
10	Tape Player	CASSETTE TAPE INSERTED, BUT NO POWER



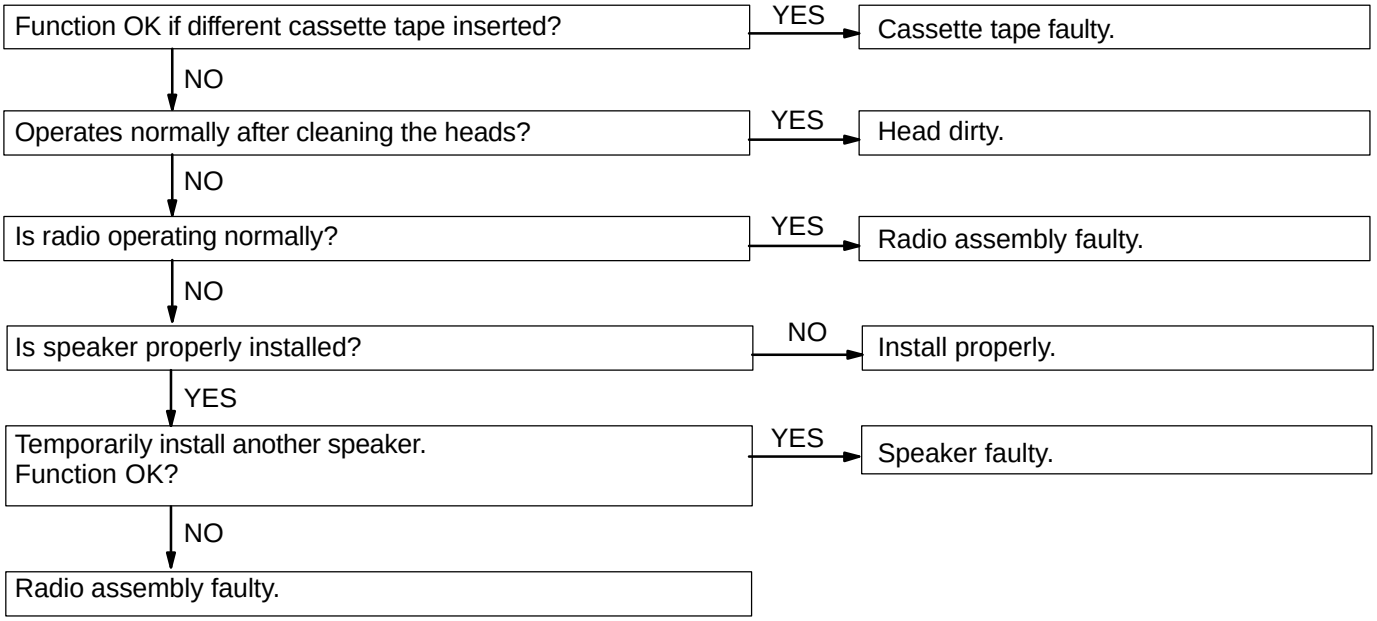
11	Tape Player	POWER COMING IN, BUT TAPE PLAYER NOT OPERATING



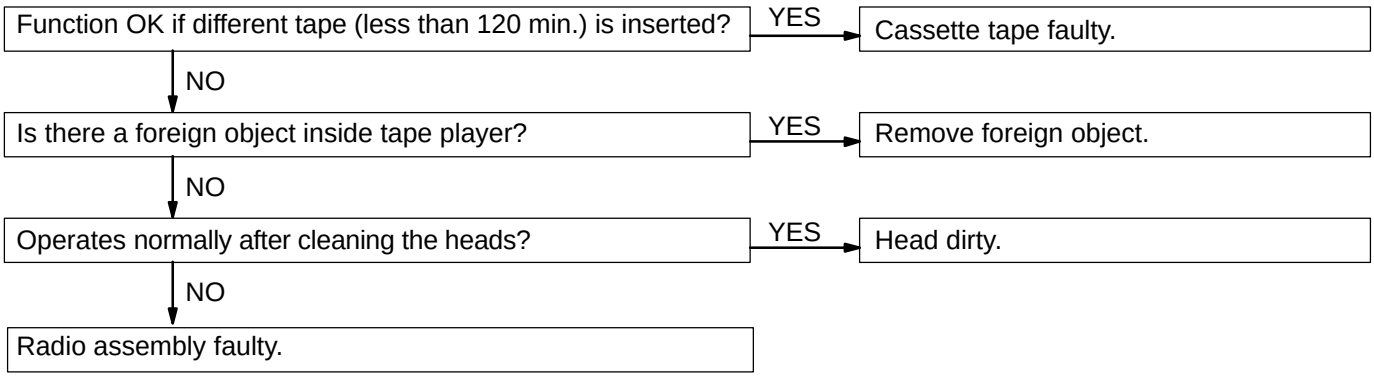
12	Tape Player	ANY SPEAKER DOES NOT WORK



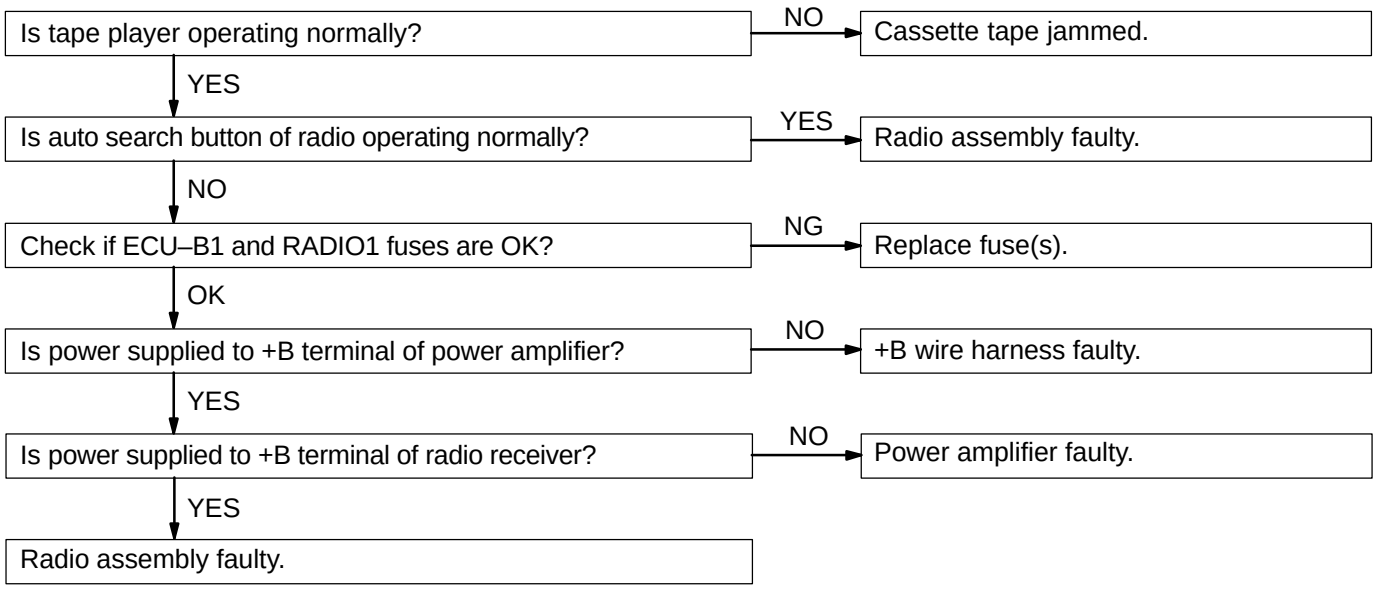
13	Tape Player	SOUND QUALITY POOR (VOLUME FAINT)



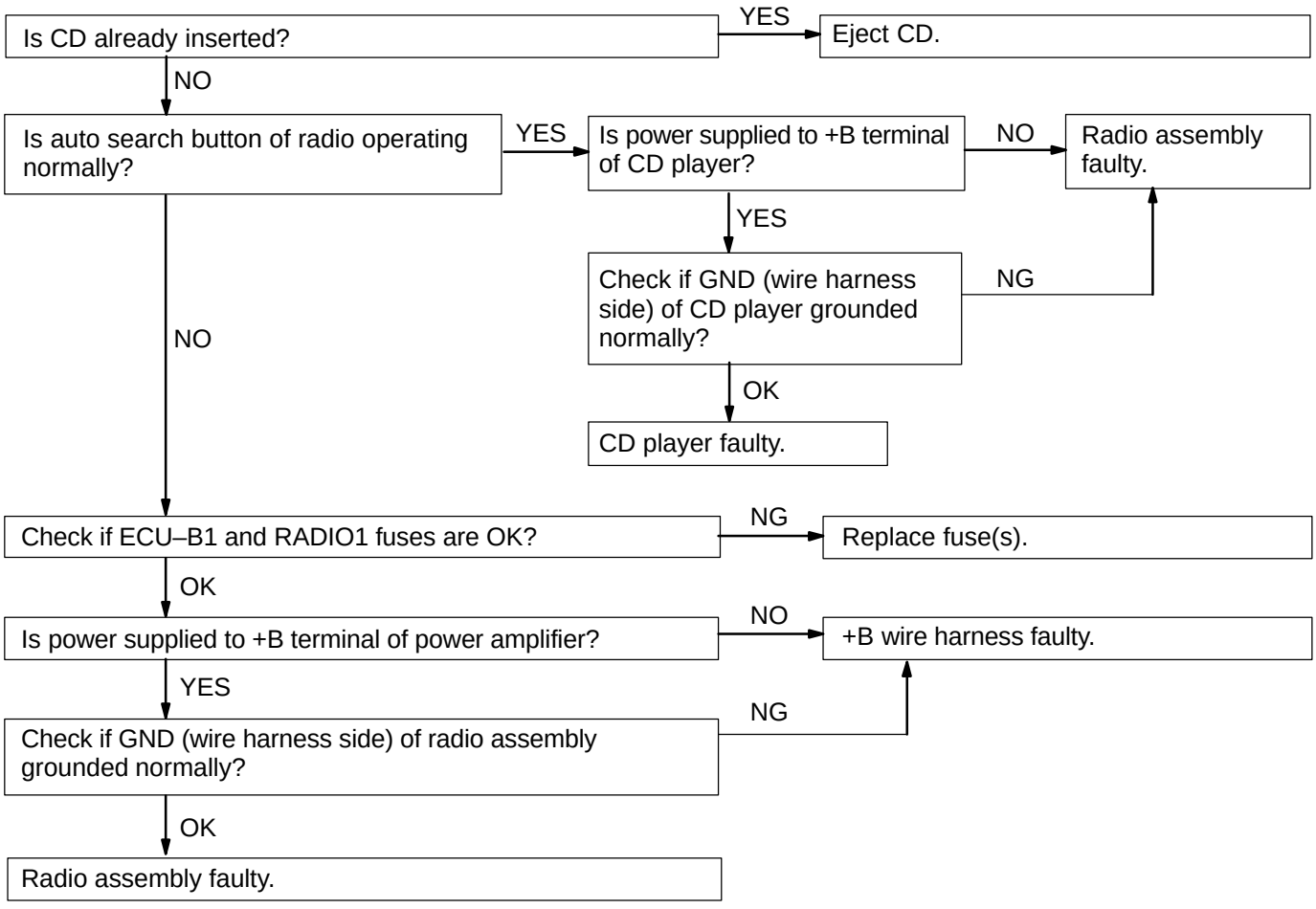
14	Tape Player	TAPE JAMMED, MALFUNCTION WITH TAPE SPEED OR AUTO–REVERSE



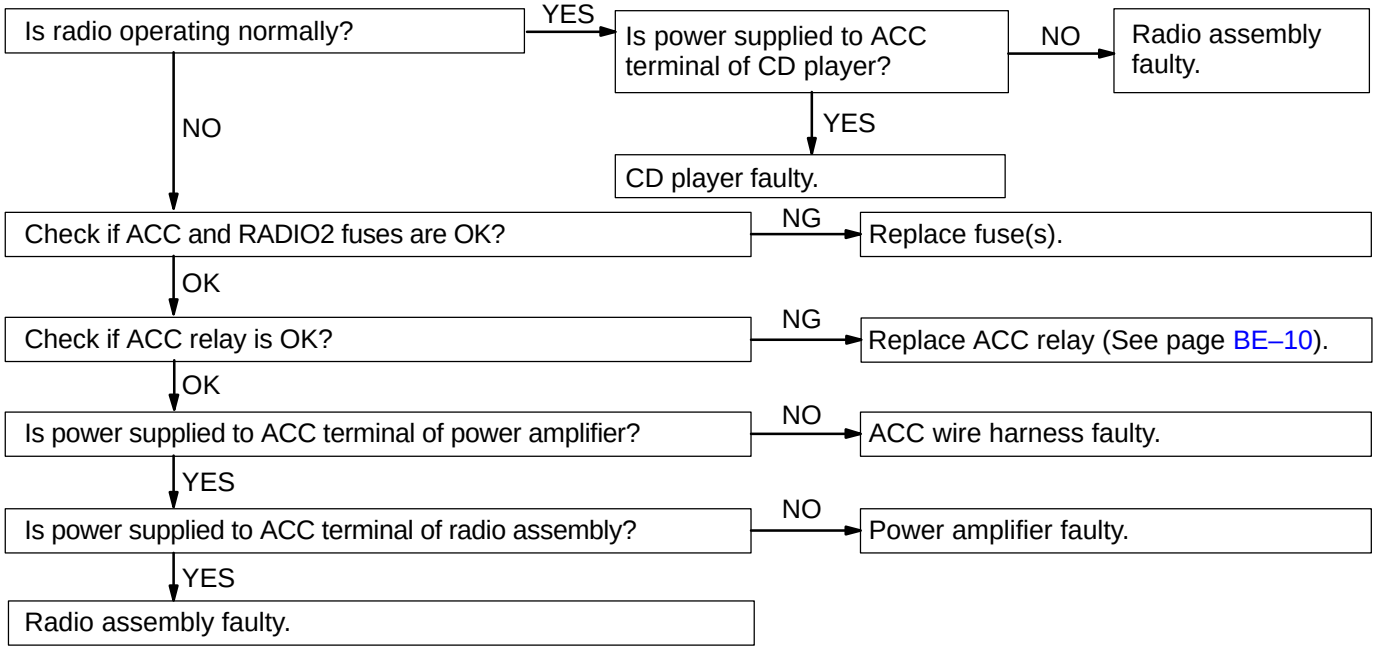
15	Tape Player	CASSETTE TAPE WILL NOT BE EJECTED



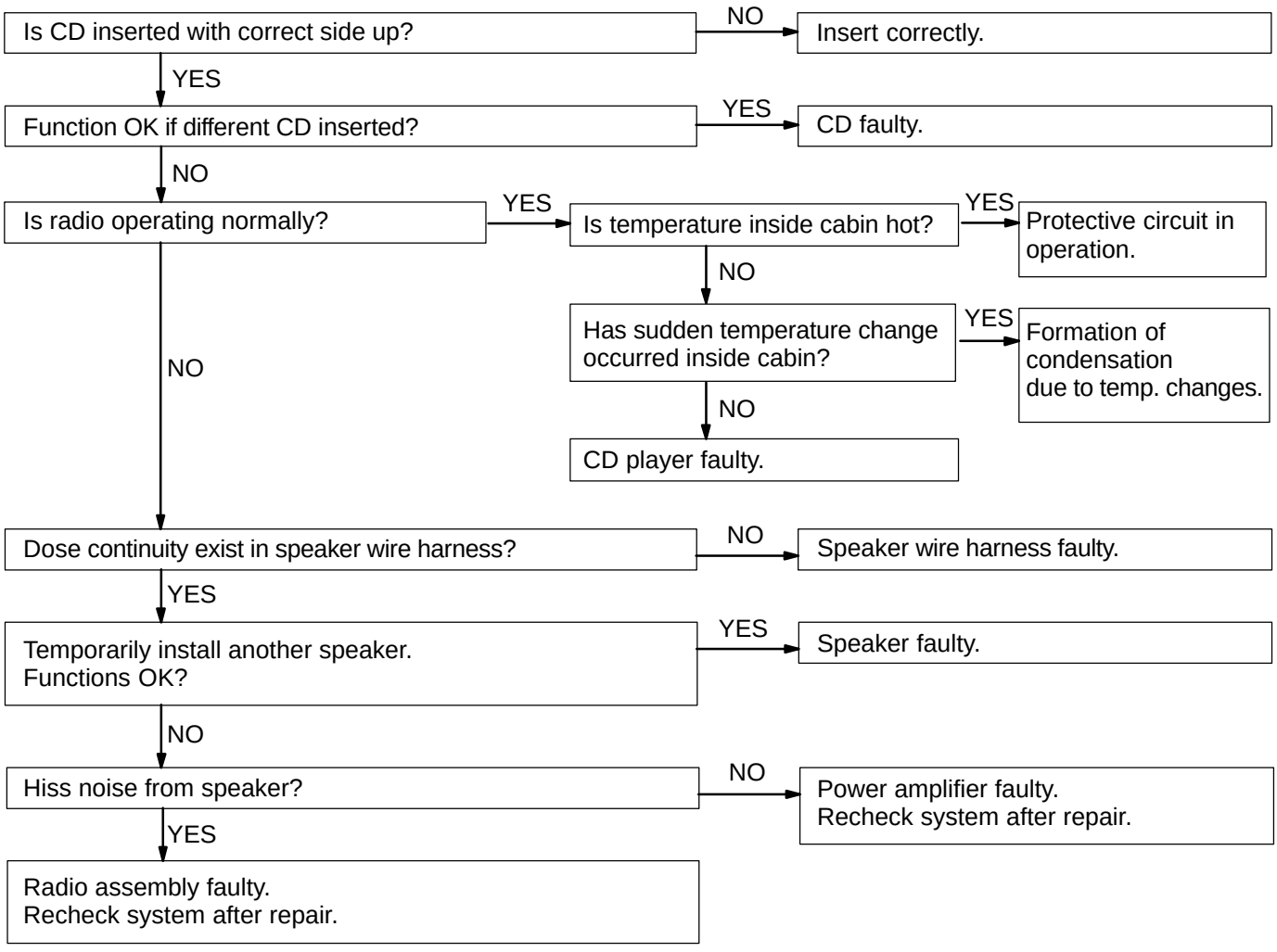
16	CD Player	CD CANNOT BE INSERTED



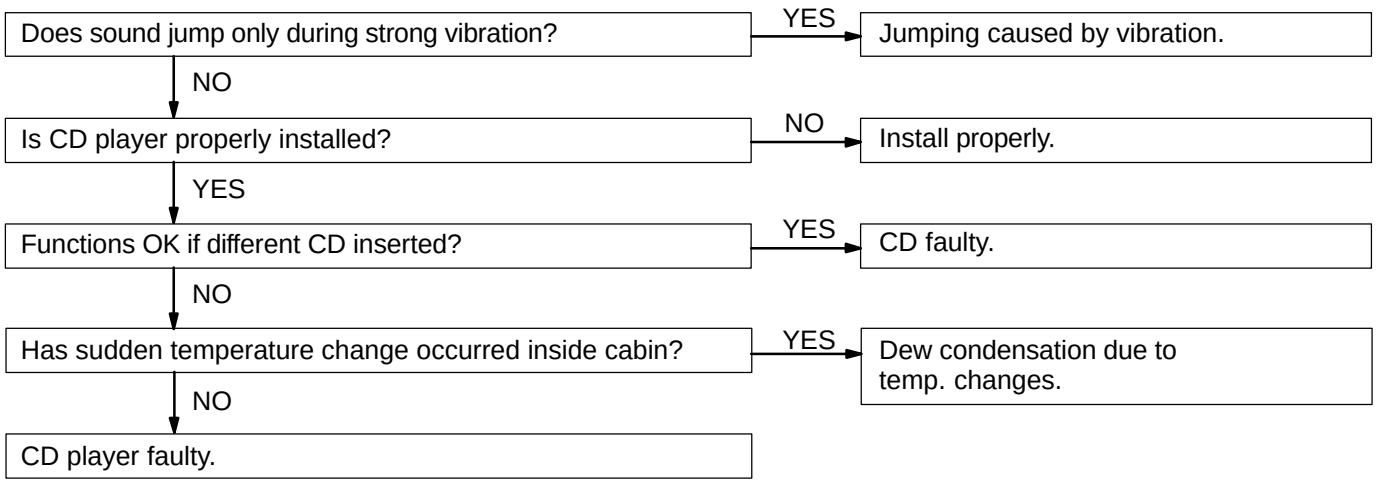
17	CD Player	CD INSERTED, BUT NO POWER



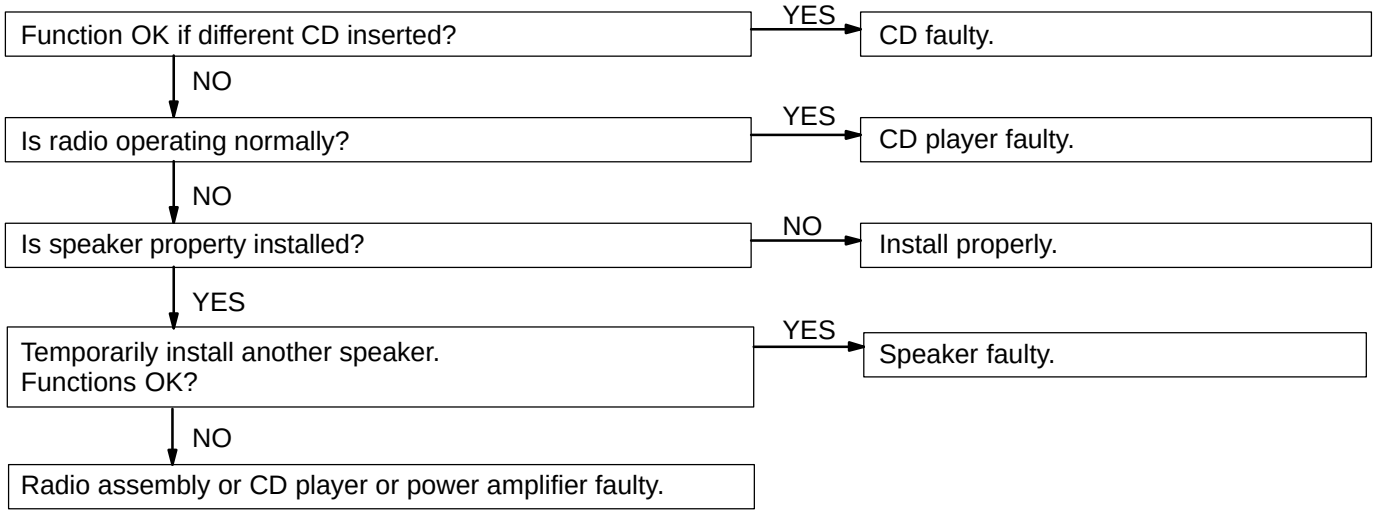
18	CD Player	POWER COMING IN, BUT CD PLAYER NOT OPERATING



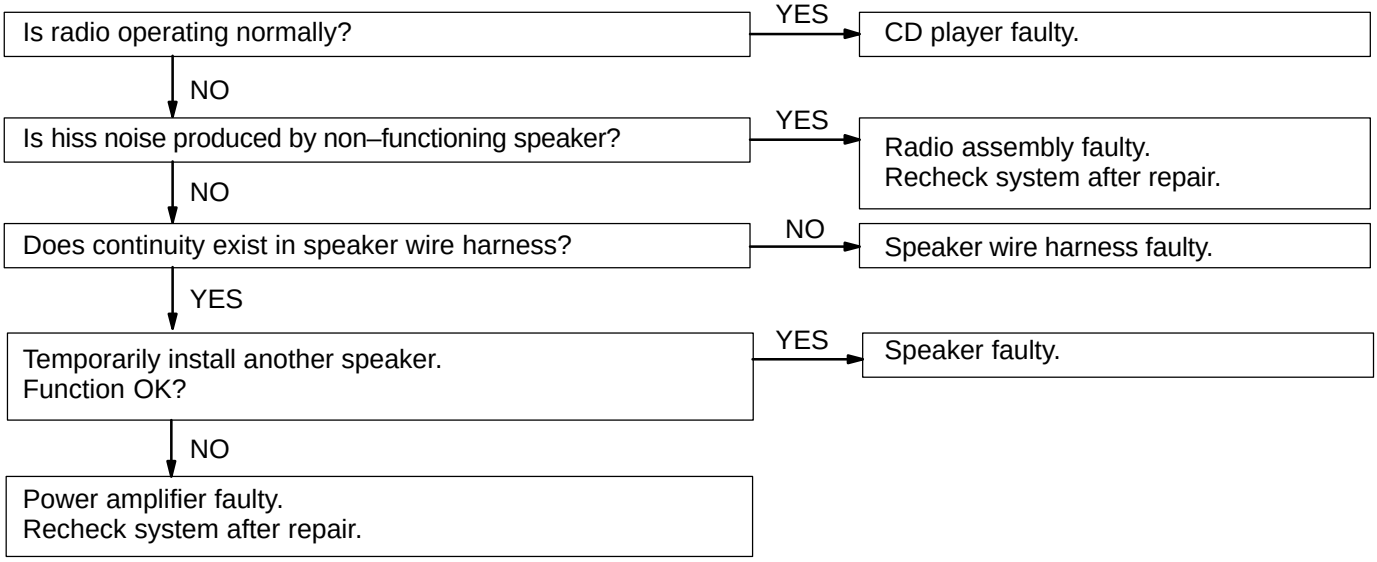
19	CD Player	SOUND JUMPS



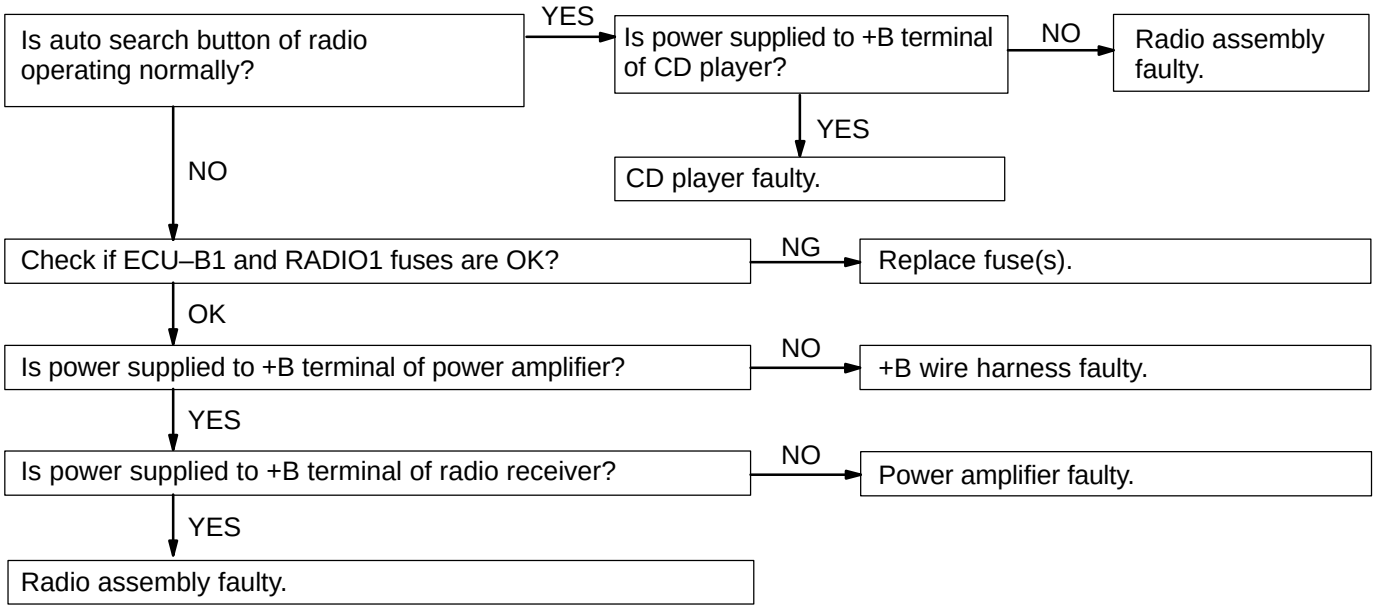
20	CD Player	SOUND QUALITY POOR (VOLUME FAINT)



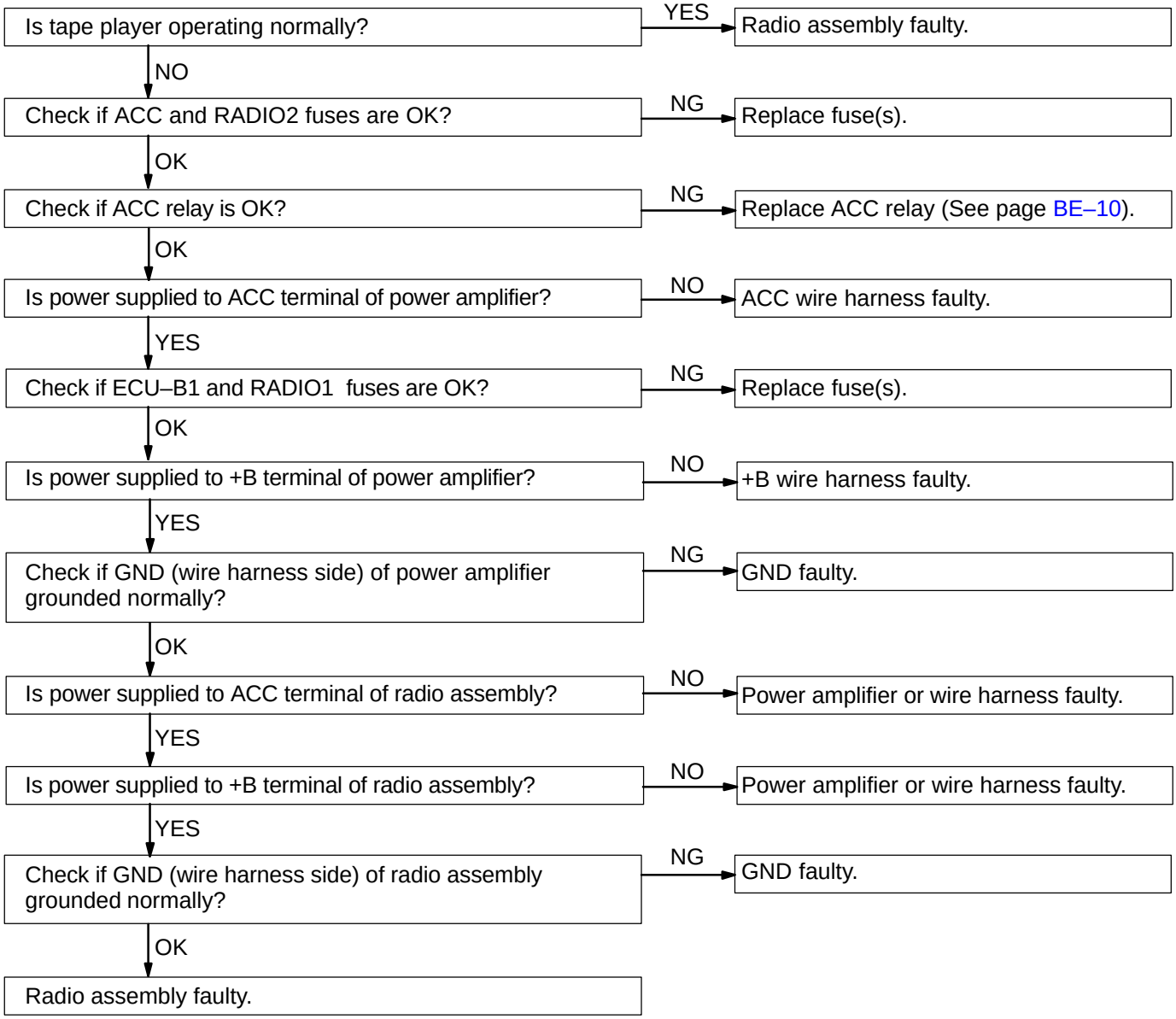
21	CD Player	ANY SPEAKER DOES NOT WORK



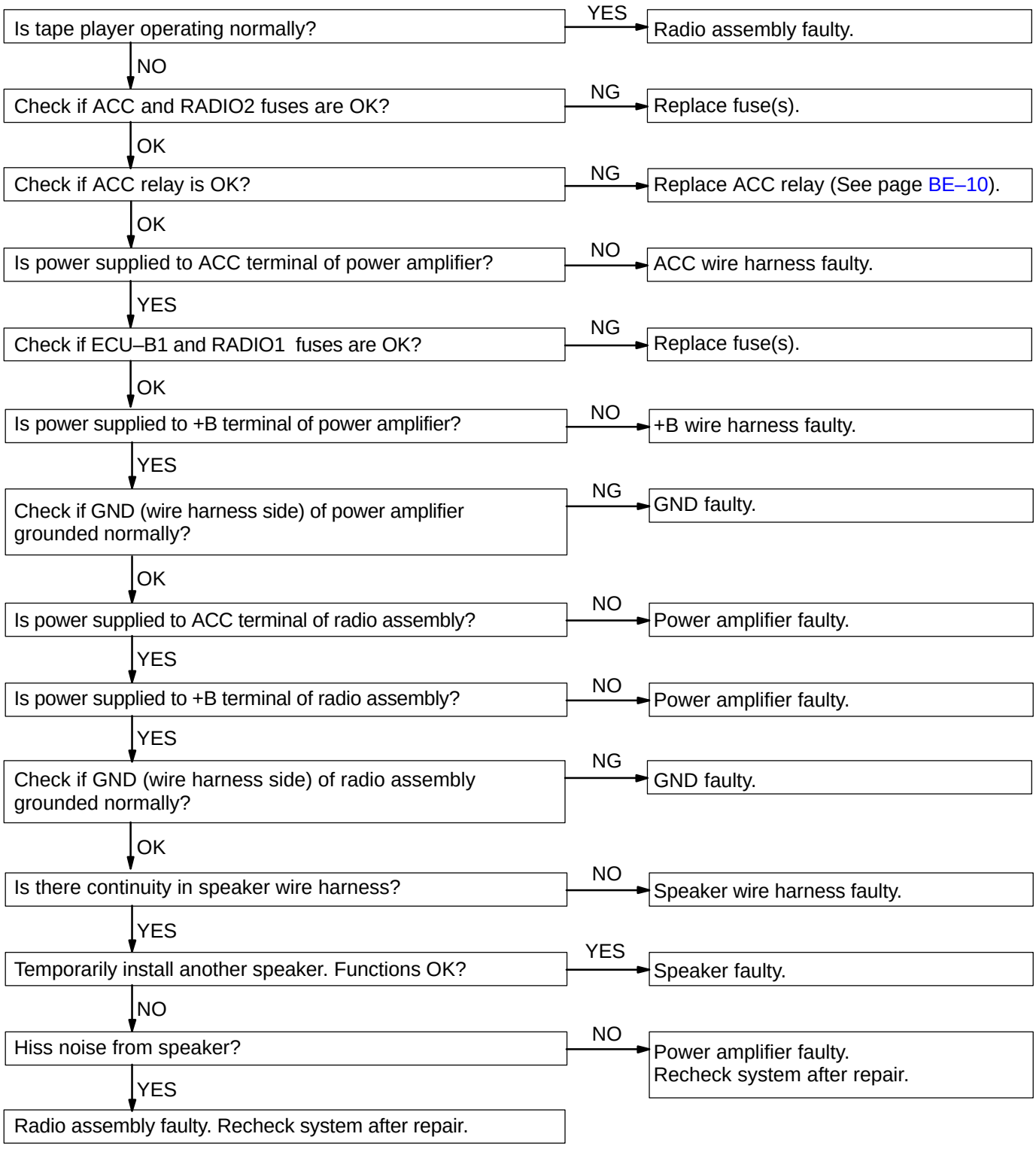
22	CD Player	CD WILL NOT BE EJECTED



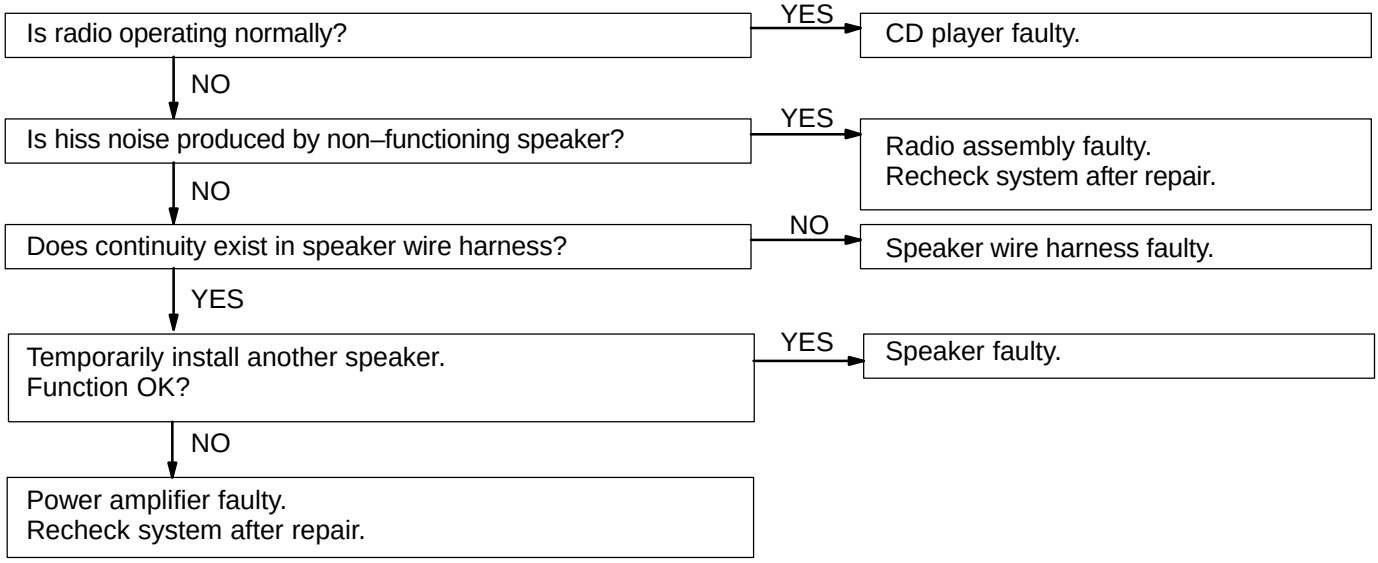
23	Power Amplifier	NO POWER COMING IN



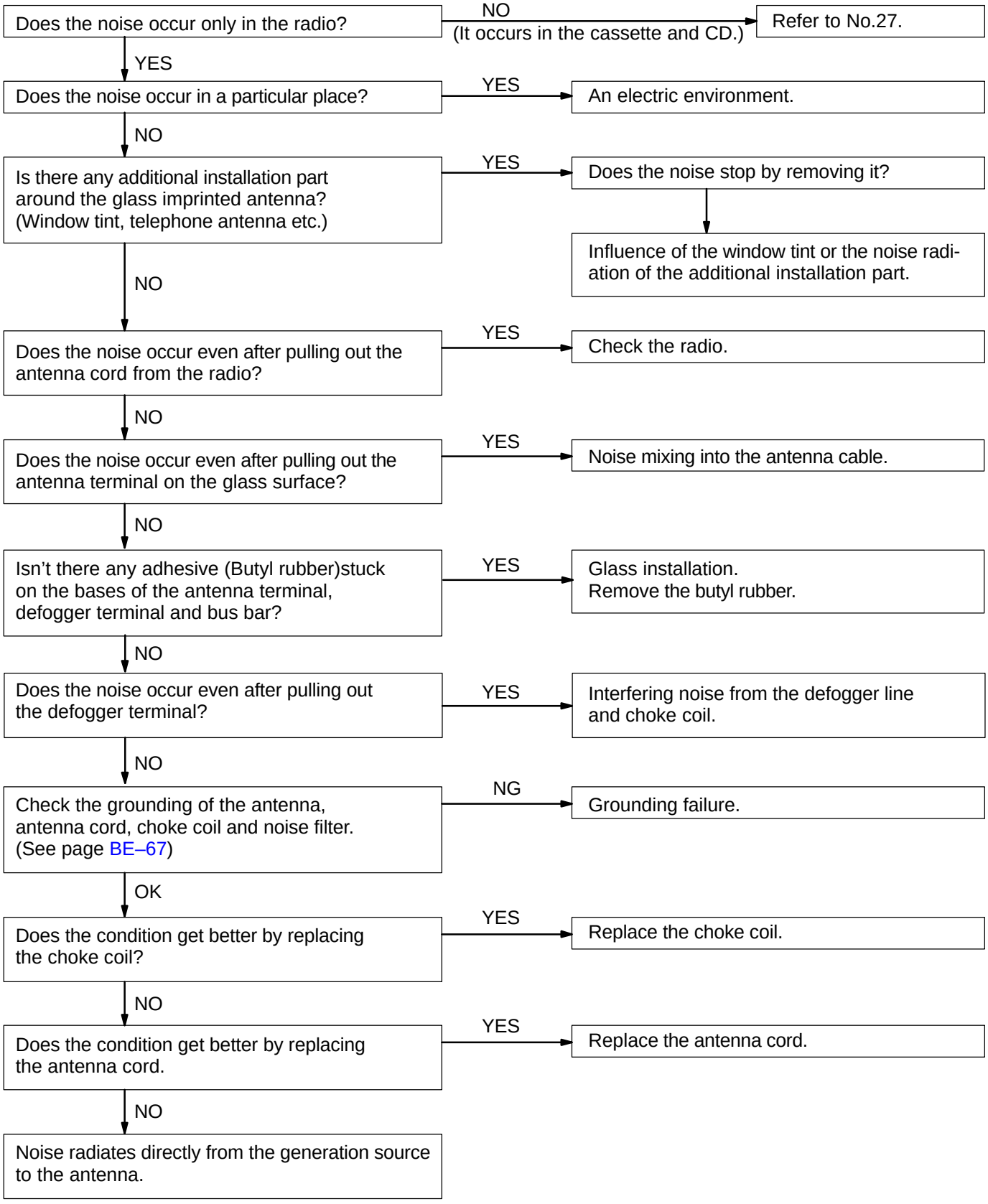
24	Power Amplifier	POWER COMING IN, BUT WOOFER (POWER) AMPLIFIER NOT OPERATING



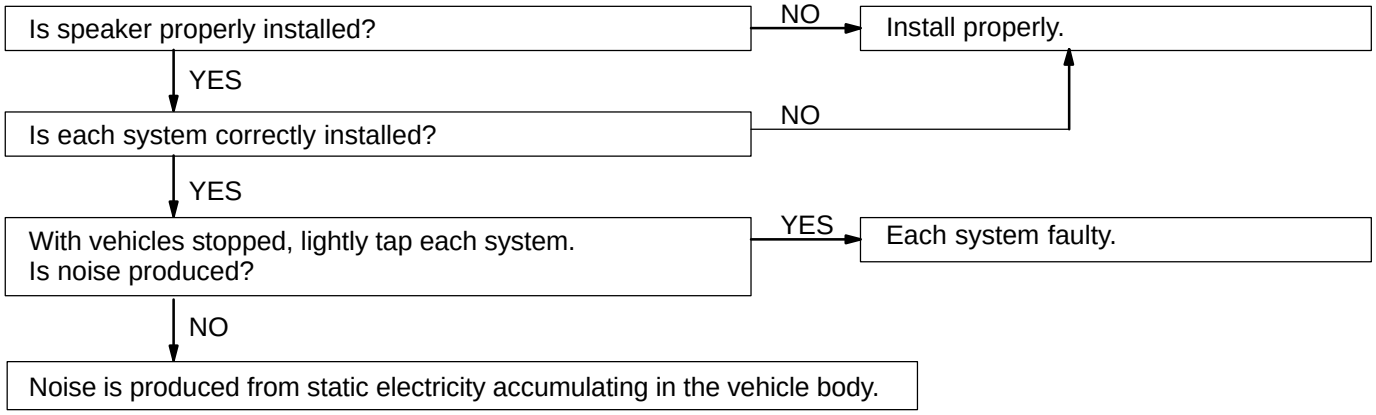
25	Power Amplifier	ANY SPEAKER DOES NOT WORK



26	Noise	NOISE OCCURS


Does the noise occur only in the radio?
NO
(It occurs in the cassette and CD.)
Refer to No.27.
YES
Does the noise occur in a particular place?
YES
An electric environment.
NO
Is there any additional installation part around the glass imprinted antenna? (Window tint, telephone antenna etc.)
YES
Does the noise stop by removing it?
Influence of the window tint or the noise radiation of the additional installation part.
NO
Does the noise occur even after pulling out the antenna cord from the radio?
YES
Check the radio.
NO
Does the noise occur even after pulling out the antenna terminal on the glass surface?
YES
Noise mixing into the antenna cable.
NO
Isn't there any adhesive (Butyl rubber)stuck on the bases of the antenna terminal, defogger terminal and bus bar?
YES
Glass installation.
Remove the butyl rubber.
NO
Does the noise occur even after pulling out the defogger terminal?
YES
Interfering noise from the defogger line and choke coil.
NO
Check the grounding of the antenna, antenna cord, choke coil and noise filter. (See page BE–67)
NG
Grounding failure.
OK
Does the condition get better by replacing the choke coil?
YES
Replace the choke coil.
NO
Does the condition get better by replacing the antenna cord.
YES
Replace the antenna cord.
NO
Noise radiates directly from the generation source to the antenna.

27	Noise	NOISE PRODUCED BY VIBRATION OR SHOCK WHILE DRIVING



28	Noise	NOISE PRODUCED WHEN ENGINE STARTS